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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of

Co	omplete if Known	
Application Number	10/048,013	
Filing Date	January 28, 2002	
First Named Inventor	Michaela LUCONI et al	
Group Art Unit	1654	
Examiner Name	LEARY, L.	
Attorney Docket Number	LUCONI=1	

		U.S. PATENT DOCUMENTS					
	Examiner hitials*	Cite No. ¹	U.S. Patent Number	Document Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
1	C.C.	AA	5,733,759		TAYLOR et al	03-31-1998	
.\$	125	AB	4,774,088		VORA	09-27-1988	
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	FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Office ³	Foreign Patent Nu	Kind Code ⁵ (if known)		Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	т*
LL.	AC	EP	1 057 405	A1	MG PHARMACY LTD.	12-06-2000		
LC	AD	wo	95/29673	A1	U.S. SECRETARY OF THE NAVY	11-09-1995	-2	
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^{*} EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.





Complete if Known Substitute for form 1449A/PTO 10/048,013 **Application Number INFORMATION DISCLOSURE** January 28, 2002 Filing Date STATEMENT BY APPLICANT Michaela LUCONI et al First Named Inventor Group Art Unit 1654 (use as many sheets as necessary) LEARY, L. **Examiner Name** LUCONI=1 of 3 Attorney Docket Number Sheet

	_	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	11
xaminer nitials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title whe item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue supports, publisher, city and/or country where published	T ²
CR	AE	Abstract, KR9202285, entitled "Cell protecting agent- is composed of 3,5,7-tri:hydroxy-flavone and atheast one cpd. selected from quercetin, myricetin, kaempferol, etc." applicant: PACIFIC CHEM CO LTD., published 1992.	
ce	AF	Abstract 252,(XP-001009990) JACK et al, "Glycogen synthase kinase-3-phosphorylation- Evidence for a role for phosphoinositide-3-kinase signaling pathway in sperm motility regulation", BIOL. REPROD., vol. 62, suppl. 1, pp. 206-207, 15-18 July 2000	
SL	AG	R.G. EDWARDS, "Widening Perspectives Of Intracytoplasmic Sperm Injection" NATURE MEDICINE, Vol. 5, No. 4,pp. 377-378, April 1999.	
H	АН	Craig Marc LUETJENS, et al "Non-random Chromosome Positioning In Human Sperm And Sex Chromosome Anomalies Following Intracytoplasmic Sperm Injection", THELANCET, Vol. 353, p. 1240 April 10, 1999.	
FC	AI	Bart VANHAESEBROECK et al "Phosphonositide 3-kinases; a Conserved Family Of Signal Transducers", TIBS, Vol 22, pp. 267-272, July 1997.	
CC	AJ	Chris J. VLAHOS et al "Investigation of Neutrophil Signal Transduction Using a Specific Inhibitor of Phosphatidylinositol 3-Kinase" JOURNAL OF IMMUNOLOGY, pp. 2413-2422, 1995.	
CE	AK	Chris J. VLAHOS et al "A Specific Inhibitor of Phosphatidylinositol 3-Kinase, 2-(4-Morpholinyl)-8-phenyl-4H-1-benzopyran-4-one (LY294002)" THE JOURNAL OF BIOLOGICAL CHEMISTRY, Vol 269, No. 7, pp. 5241-5248, February 18, 1994.	
Œ	AL	Lynn R. FRASER et al "Ca ²⁺ -Regulating Mechanisms that Modulate Bull Sperm Capacitation and Acrosomal Exocytosis as Determined by Chlortetracycline Analysis" MOLECULAR REPRODUCTION AND DEVELOPMENT, Vol. 40, pp. 233-241, 1995.	
CE	AM	Lea NASS-ARDEN and Haim Breitbart, "Modulation of Mammalian Sprem Motility by Quercetin" MOLECULAR REPRODUCTION AND DEVELOPMENT, Vol. 25, pp. 369-373, 1990.	
LC	AN	E.R.S. ROLDAN and A.D. Fleming, "Is a Ca ²⁺ -ATPase involved in Ca ²⁺ Regulation During Capacitation And The Acrosome Reaction Of Guinea-Pig Spermatozoa?" J. OF REPROD. FERT. Vol. 85, pp. 297-308, 1989.	
CC	AO	Roy H. HAMMERSTEDT et al, "Motility, Heat and Lactate Production in Ejaculated Bovine Sperm" ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS. Vol. 266, No. 1, pp. 111-128, October 1989.	
CC	AP	S. DasGupta et al, "A Possible Role for Ca ²⁺ -ATPase in Human Sperm Capacitation", JOURNAL OF REPRODUCTION AND FERTILITY. Vol 102, pp.107-116, 1994.	

Examiner Signature	Seal	Date Considered	5/03	

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Signature

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 3 of 3

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Co	omplete if Known	
Application Number	10/048,013	
Filing Date	January 28, 2002	
First Named Inventor	Michaele LUCONI et al	
Group Art Unit	1654	
Examiner Name	LEARY, L.	
Attorney Docket Number	LUCONI=1	

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner pitials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T²
IC	AQ	H. BREITBART "Calcium Metabolism In Spermatozoa- A Target For Contraception" ADV CONTRA DELIV SYST. Vol. 9, pp. 93-95, 1993.	
CC	AR	L.R. FRASER and C.A. McDermott, "Ca ^{2*} -Related Changes In The Mouse Sperm Capacitation State: A Possible Role for Ca ^{2*} -ATPase", J. REPROD. FERT. Vol. 96, pp. 363-377, 1992.	
CC	AS	H.M. FISHER et al, "Phosphoinositide 3-kinase is Involved In The Induction Of The Human Sperm Acrosome Reaction Downstream Of Tyrosine Phosphorylation", MOLECULAR HUMAN REPRODUCTION, Vol. 4, No. 9, pp. 849-855, 1998.	
CC	AT	Huailiang FENG et al, "The <i>C-kit</i> Receptor and Its Possible Signaling Transduction Pathway in Mouse Spermatozoa", MOLECULAR REPRODUCTION AND DEVELOPMENT, Vol. 49, pp. 317-326, 1998.	
SE	AU	Peter BLUME-JENSEN et ał, "Kit/Stem Cell Factor Receptor-Induced Activation of Phosphatidylinositol 3'-kinase is Essential For Male Fertility", NATUERE GENETICS, Vol. 24, pp. 157-162, February 2000.	
CC	AV	M. ARAVINDAKSHAN, et al, "Studies on Germinal Effects of Quercetin, a Naturally Occurring Flavonoid", MUTATION RESEARCH, Vol. 144, pp. 99-106, 1985.	
SE	AW	Abstract, JP 8066183, entitled "Suppression of cell activity, for controlling selective endocytes of eukaryocytes-comprises adding lithium chloride or wortmannin culture mediumto eukaryotic" applicant: SHINGIJUTSU JIGYODAN, published 03-12-1996.	
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